

soil in disturbed area along roadside ditch. 21.6 km north of Cheyenne Wells, Hwy. 385 N, Cheyenne County. Seed collected from 44 plants. Large population extending into field for over 100 m. Plants tall (ca. 2.5 m) spreading, branching, long peduncles, heads large, some stems red. Few plants with rust.

**PI 586849. *Helianthus annuus* L.**

Wild. Ames 17915; ANN 2171. Collected 09/11/1991 in Kansas, United States. Latitude 39 deg. 30' N. Longitude 101 deg. 0' W. Sandy-loam soil in roadside ditch along irrigation tail water pit. 1.6 km south of Colby, Hwy. 25 S, Thomas County. Seed collected from 45 plants. Population scattered along roadside and irrigation pit. Plants had longer, narrow bracts but heads still large, plants tall, branching and spreading. Moderate rust.

**PI 586850. *Helianthus annuus* L.**

Wild. Ames 17916; ANN 2172. Collected 09/11/1991 in Kansas, United States. Latitude 39 deg. 10' N. Longitude 100 deg. 50' W. Sandy-loam soil in disturbed roadside ditch. 24.8 km south of Oakley, Hwy 83 S, Logan County. Seed collected from 52 plants. Population scattered along disturbed area of ditch. Good seed set, past peak flowering. Plants typical of *H. annuus*, tall, spreading, branching, red stems. Moderate rust.

**PI 586851. *Helianthus annuus* L.**

Wild. Ames 17917; ANN 2173. Collected 09/11/1991 in Kansas, United States. Latitude 38 deg. 28' N. Longitude 100 deg. 54' W. Sandy soil in disturbed roadside ditch near soybean field. 1.2 km north of Scott City, Hwy 83 N, Scott County. Seed collected from 32 plants. Population scattered along roadside ditch, near soybean field, sandy-loam soil. Plants tall, red stems, branching, spreading. Severe head clipper damage. Suleima in some heads. Light to moderate rust.

**PI 586852. *Helianthus annuus* L.**

Wild. Ames 17918; ANN 2174. Collected 09/11/1991 in Kansas, United States. Latitude 38 deg. 28' N. Longitude 100 deg. 42' W. Disturbed loam soil in roadside ditch near cultivated field. 35.2 km east of Scott City, Hwy. 96 E, Lane County. Seed collected from 44 plants. Population scattered around edge of highway department lot (storage area). Typical *H. annuus* for Kansas, taller, larger heads. Good seed set, much past peak flowering. Light to moderate rust.

**PI 586853. *Helianthus annuus* L.**

Wild. Ames 17919; ANN 2175. Collected 09/11/1991 in Kansas, United States. Latitude 38 deg. 28' N. Longitude 100 deg. 29' W. Sandy-loam soil in stubble field (small grains). 30.4 km east of Dighton, Hwy 96 E, Ness County. Seed collected from 100 plants. Population was very large, covering over 30 ha of stubble field, very dense population. Tall plants, dark green leaves, branching and spreading. Good seed set, past flowering. No apparent rust. Sand burr.

**PI 586854. *Helianthus annuus* L.**

Wild. Ames 17920; ANN 2176. Collected 09/11/1991 in Kansas, United States. Latitude 38 deg. 6' N. Longitude 99 deg. 51' W. Disturbed roadside ditch at edge of cultivated field. 2.4 km north of Jetmore, Hwy. 283 N, Hodgeman County. Seed collected from 28 plants. Population scattered over ditch and along cultivated field. Many plants had digging around the base of plants. Plants short, many single to three heads, leaves dark green. No rust apparent, leaf insect damage.

**PI 586855. *Helianthus annuus* L.**

Wild. Ames 17921; ANN 2177. Collected 09/11/1991 in Kansas, United States. Latitude 38 deg. 10' N. Longitude 99 deg. 36' W. Disturbed area of loam soil in the corner of roadside ditch. 17.6 km east of Burdett,